

## METHODS FOR THE PREVENTION OF RADON EMISSIONS

### ABSTRACT

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This invention is directed to methods for treating radioactive-containing waste materials. More specifically, the present invention relates to the prevention of radon emissions. Even more specifically, this invention relates to the prevention of radon emissions by encapsulating the radon in radon-generating waste matter using a chemical additive. Alternatively, the amount of radon escaping into the environment may be minimized by adjusting the shape of the carrier which stores the radon-generating waste matter. Additionally, the first two embodiments may be combined to ensure that the radon does not escape into the environment. Finally, polymer sealants may be used as an additional barrier layer.